

REMARKS

Claims 1-62 are currently pending in the application. Claims 1, 11, 18, 30-35 have been amended without acquiescence or prejudice to pursue the original claims in a related application. No new matter has been added.

I. CLAIM REJECTIONS UNDER 35 U.S.C. § 103

Claim 18-20, 23, 24, 29, 34-36, 47-48, and 50-54 stand rejected under 35 U.S.C. § 103(a) as anticipated by U.S. Patent No. 6,662,342 issued to Marcy et al. (Marcy) in view of U.S. Patent No. 6,742,054 issued to Upton (Upton). Claims 1-4, 8, 10-12, 14, 21, 30-33, 37-38, 40, 42-43, 45, 56, and 60 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Marcy in view of U.S. Patent Publication No. 2001/0029604 published by Dreyband et al. (Dreyband) in view of Upton. Claims 15-17, 57-58, and 61-62 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Marcy in view of Dreyband in view of Upton. Claims 25-28 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Marcy in view of Wan in view of Upton. Claims 5-7, 9, 13, 39, 41, 44, 46, 55, and 59 stand rejected under 35 U.S.C. 103(a) as being unpatentable Marcy and Dreyband in view of the Java Architecture for XML Binding (JAXB) published by Sun Microsystems on January 8, 2003 in view of Upton. Claims 22, 49, and 53 stand rejected under 35 U.S.C. 103(a) over Marcy in view of JAXB in view of Upton.

Claim 18 has been amended to recite determining one or more access parameters for the child node relative to the parent node in accordance with the schema, wherein the at least one access parameter allows the named access procedure to have direct access to the child node **without**

progressive traversal of a hierarchy of nodes defined in the schema. Claim 1 has been amended to recite determining at least one access parameter for the element relative to a second element in accordance with the schema, wherein the at least one access parameter allows the named access procedure to have direct access to the element without progressive traversal of a hierarchy of elements defined in the schema. Claims 11, 30-35 recite similar limitations. Applicants agree with the Examiner that Marcy does not disclose or suggest determining one or more access parameters for the child node relative to the parent node in accordance with the schema. Upton does not remedy the deficiencies present in Marcy. Applicants respectfully submit that Upton discloses an iterator to process a sequence of elements in an input message and does not disclose at least one access parameter allows the named access procedure to have direct access to the child node **without progressive traversal of a hierarchy of nodes defined in the schema.**

According to the Office Action, column 28 lines 5-20 of Upton teaches determining one or more access parameters for the child node relative to the parent node in accordance with the schema. Applicants respectfully submit that Upton does not disclose at least one access parameter allows the named access procedure to have direct access to the child node **without progressive traversal of a hierarchy of nodes defined in the schema.**

Upton is directed toward transforming an input message to an output message with the use of iterators (Upton, Abstract, Figure 5). Iterators are associated with sequences and are used to determine the processing of elements of a sequence (Upton, Column 12, lines 63-65). Field data can be referenced based upon the current position of the relevant iterators (Upton, Column 27, line 50 - Column 28 line 17).

Applicants respectfully submit that Upton discloses an iterator to iterate through elements and process a sequence of elements in an input message. Upton discloses the opposite of a named access procedure to have direct access to the child node **without progressive traversal of a hierarchy of nodes defined in the schema**. Upton is directed toward the transforming of an input message and specifically relies on an iterator in the cited sections to iterate through and process the sequences of elements in an input message. Thus, Upton does not disclose at least one access parameter that allows the named access procedure to have direct access to the child node **without progressive traversal of a hierarchy of nodes defined in the schema**.

For at least the foregoing reasons, Applicants respectfully submit that claim 18 and its dependent claims are allowable over Marcy, Upton, and their combination.

2. Claims 1, 11, 30-35 recite similar limitations as claim 18. Therefore, these claims and their respective dependent claims, are patentable over Marcy, Upton, the cited references, and their combination.

CONCLUSION

Based on the foregoing, all remaining claims are believed in condition for allowance. If the Examiner has any questions or comments regarding the remarks, please contact the undersigned at the number listed below.

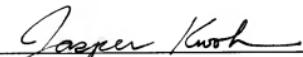
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Respectfully submitted,

Dated: August 20, 2007

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